

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P02/043-ve/j1	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/EP 03/ 01370	International filing date (day/month/year) 12/02/2003	(Earliest) Priority Date (day/month/year) 11/03/2002
Applicant MERCK PATENT GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

NITROSODIPHENYLAMINE DERIVATIVES AND THEIR PHARMACEUTICAL USE AGAINST OXIDATIVE STRESS PATHOLOGIES

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/01370

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D213/75 C07C243/06 C07D295/12 C07C237/40 C07D213/76
C07D453/02 A61K31/44 A61K31/13 A61K31/15 A61P39/06
C07D233/54 C07D207/09 C07D213/40 C07D239/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07C A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, PAJ, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 470 194 A (PALAZZO GIUSEPPE) 30 September 1969 (1969-09-30) example VIII.	1
X	C.G. FROST ET AL.: "Iterative amination strategy in the synthesis of peptidomimetics" CHEMISTRY LETTERS., no. 11, 1997, pages 1159-1160, XP002222500 CHEMICAL SOCIETY OF JAPAN. TOKYO., JP ISSN: 0366-7022 * schemes 2 et 3 --- -/--	13,14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

22 May 2003

Date of mailing of the international search report

06/06/2003

Name and mailing address of the ISA

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Authorized officer

Bosma, P

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09, 31 July 1998 (1998-07-31) & JP 10 087592 A (FUJIMORI KEN;DOUJIN KAGAKU KENKYUSHO:KK), 7 April 1998 (1998-04-07) abstract	1-20
X,P	WO 02 28820 A (MERCK PATENT GMBH ;DECERPRIT JACQUES (FR); ORTHOLAND JEAN YVES (FR) 11 April 2002 (2002-04-11) the whole document	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 03/01370

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3470194	A	30-09-1969	BE 699226 A	03-11-1967
			CH 504442 A	15-03-1971
			DE 1645971 A1	16-07-1970
			DK 115996 B	01-12-1969
			ES 341123 A1	01-07-1968
			ES 8604156 A3	01-06-1986
			FR 7174 M	11-08-1969
			FR 1530097 A	21-06-1968
			GB 1152885 A	21-05-1969
			IL 28032 A	25-08-1971
			LU 53797 A1	31-07-1967
			NL 6707510 A	01-03-1968
			NO 118028 B	27-10-1969
			SE 326451 B	27-07-1970
			US RE27253 E	21-12-1971
			AT 273111 B	11-08-1969
JP 10087592	A	07-04-1998	NONE	
WO 0228820	A	11-04-2002	FR 2815030 A1	12-04-2002
			AU 8989101 A	15-04-2002
			WO 0228820 A1	11-04-2002